

CLAIMS

1. A system in connection with a cold-storage/
5 freezer space (1), said cold-storage/freezer space (1)
comprising at least one door (2) with at least two trans-
parent sheets (3), a conductive layer being placed on
one of the sheets (3) to function as a heating element
to keep said sheets (3) free of condensation, the sys-
10 tem comprising a moisture sensor (6) and a temperature
sensor (5) on the side which is warm when using the cold-
storage/freezer space (1), said sensors (5, 6) being con-
nected to a control unit (7), said control unit (7) regu-
lating the supply of power to said conductive layer,
15 c h a r a c t e r i s e d i n t h a t

the system also comprises a second temperature
sensor (4) in said cold-storage/freezer space (1), i.e.
on the side which is cold when using the cold-storage/
freezer space (1), said second temperature sensor (4)
20 being connected to said control unit (7).

2. A system as claimed in claim 1, in which said
control unit (7) is arranged in the doorframe.

25 3. A system as claimed in claim 1, in which said
control unit (7) is a separate unit arranged separately
from said door (2).

4. A system as claimed in any one of the preceding
30 claims, in which the control unit (7) is programmed to
keep the surface temperature on the outside of the sheet
(3) on the warm side above the dew point of the ambient
air.

35 5. A system as claimed in claim 4, into which an
experience curve is programmed.

6. A system as claimed in any one of the preceding claims, in which a plug interface is connected to the control unit (7) to allow reprogramming.

5 7. A system as claimed in any one of the preceding claims, in which said second temperature sensor (4) is arranged in the upper part of the doorframe.

10 8. A system as claimed in any one of the preceding claims, in which light-emitting diodes are arranged to indicate the operating status of the system.

15 9. A system as claimed in any one of the preceding claims, to which a change-over switch is connected to allow use of the same system for different types of doors (2) and operating conditions.

20 10. A system as claimed in any one of the preceding claims, in which said transparent sheet (3) is a sheet of glass.